

Patent claims

1. An arrangement for registering a hand on an arm, comprising:
a supply unit to supply at least a partial image of the hand and the arm ; and
a search unit to retrieve a part of the image having the highest ratio of content to outer sides.
2. The arrangement as claimed in claim 1, wherein the high ratio of content to outer sides is approximately the highest ratio of content to outer sides.
3. The arrangement as claimed in claim 1, wherein the search unit are constructed such that a geometric object can be inscribed in the image .
4. The arrangement as claimed in claim 3, wherein the geometric object can be inscribed repeatedly at different positions in the image, and the part of the image can be found where the geometric object can be inscribed at its largest.
5. The arrangement as claimed in claim 3, wherein the geometric object is a circle, a rectangle, a polygon, a cube and/or a body of rotation, in particular a sphere.
6. The arrangement as claimed in claim 1, wherein the arrangement has means for determining the position of the hand on the basis of the position of the part of the image .
7. The arrangement as claimed in claim 1, wherein the arrangement is set up to carry out hand recognition.
8. The arrangement as claimed in claim 1, wherein the arrangement has means for identifying the hand in an environment.
9. The arrangement as claimed in claim 1, wherein the center of the hand can be determined.
10. A method of registering a hand on an arm, comprising:

11. A computer readable medium storing a program to control a computer to perform a method comprising:

at least partially recording an image of the hand and the arm, and
retrieving a part of the image with a high ratio of content to outer sides.

Variable	Mean	SD	Min	Max
Age (years)	34.5	10.2	18	65
Gender (male/female)	15/15	0	0	30
Marital status (single/married)	10/10	0	0	20
Occupation (student/worker)	10/10	0	0	20
Religion (Muslim/Hindu)	15/5	0	0	20
Education (high school/university)	10/10	0	0	20
Income (low/high)	10/10	0	0	20
Health status (good/poor)	15/5	0	0	20
Smoking status (smoker/non-smoker)	5/15	0	0	20
Alcohol consumption (yes/no)	5/15	0	0	20
Exercise frequency (regular/irregular)	10/10	0	0	20
Stress level (low/high)	10/10	0	0	20
Sleep quality (good/poor)	10/10	0	0	20
Appetite (good/poor)	10/10	0	0	20
Weight (kg)	65.5	10.5	50	85
Height (cm)	170.5	5.5	160	185
BMI (kg/m ²)	22.5	3.5	18	28
Heart rate (b/min)	75.5	10.5	60	95
Blood pressure (mmHg)	120/80	10/10	110/70	130/90
Cholesterol (mg/dL)	180	40	140	220
Glucose (mg/dL)	90	15	70	110
Hemoglobin (g/dL)	14.5	1.5	13	16
Hematocrit (%)	42	4	38	46
White blood cells (mm ³)	7500	1500	6000	9000
Platelets (mm ³)	250000	50000	200000	300000
Prothrombin time (sec)	12.5	1.5	11	14
Partial thromboplastin time (sec)	32	4	28	36
Fibrinogen (mg/dL)	350	50	300	400
D-dimer (ng/mL)	0.5	0.2	0.3	0.7
C-reactive protein (mg/L)	1.5	1.0	0.5	2.5
Erythrocyte sedimentation rate (mm/hr)	15	10	5	25
Urea nitrogen (mg/dL)	10	2	8	12
Creatinine (mg/dL)	1.0	0.2	0.8	1.2
BUN/Cr ratio	10	2	8	12
Calcium (mg/dL)	9.5	0.5	9	10
Phosphorus (mg/dL)	3.5	0.5	3	4
Magnesium (mg/dL)	1.8	0.2	1.6	2.0
Sodium (mEq/L)	138	4	134	142
Potassium (mEq/L)	4.0	0.5	3.5	4.5
Chloride (mEq/L)	100	5	95	105
Anion gap (mEq/L)	10	2	8	12
Base deficit (mEq/L)	2	1	1	3
Lactate (mg/dL)	1.0	0.5	0.5	1.5
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